

## WHAT IS CLAIMED IS:

1. A display device comprising:
  - a casing;
  - a speaker portion mounted on the casing; and
  - a display portion mounted on the casing, the display portion having a luminescent device comprising:
    - a thin film transistor provided over an insulating surface of a substrate;
    - a luminescent element electrically connected with said thin film transistor, said luminescent element comprising an organic compound layer, an anode and a cathode, said cathode containing an alkaline metal;
    - at least one insulating layer provided between said thin film transistor and said luminescent element, said insulating layer capable of adsorbing said alkaline metal.
2. A display device comprising:
  - a casing;
  - a speaker portion mounted on the casing; and
  - a display portion mounted on the casing, the display portion having a luminescent device comprising:
    - a thin film transistor provided over an insulating surface of a substrate;
    - a luminescent element electrically connected with said thin film transistor, said luminescent element comprising an organic compound layer, an anode and a cathode, said cathode containing an alkaline metal;
    - at least one insulating layer provided between said thin film transistor and said cathode, said insulating layer capable of adsorbing said alkaline metal.
3. A display device comprising:
  - a casing;
  - a speaker portion mounted on the casing; and
  - a display portion mounted on the casing, the display portion having a luminescent device comprising:
    - a thin film transistor provided over an insulating surface of a

substrate;

a luminescent element electrically connected with said thin film transistor, said luminescent element comprising an organic compound layer, an anode, and a cathode, said cathode containing an alkaline metal;

at least one transparent insulating layer provided between said thin film transistor and said cathode, said insulating layer capable of adsorbing said alkaline metal.

4. A mobile computer comprising:

a casing;

operation keys mounted on the casing; and

a display portion mounted on the casing, the display portion having a luminescent device comprising:

a thin film transistor provided over an insulating surface of a substrate;

a luminescent element electrically connected with said thin film transistor, said luminescent element comprising an organic compound layer, an anode and a cathode, said cathode containing an alkaline metal;

at least one insulating layer provided between said thin film transistor and said luminescent element, said insulating layer capable of adsorbing said alkaline metal.

5. A mobile computer comprising:

a casing;

operation keys mounted on the casing; and

a display portion mounted on the casing, the display portion having a luminescent device comprising:

a thin film transistor provided over an insulating surface of a substrate;

a luminescent element electrically connected with said thin film transistor, said luminescent element comprising an organic compound layer, an anode and a cathode, said cathode containing an alkaline metal;

at least one insulating layer provided between said thin film transistor and said cathode, said insulating layer capable of adsorbing said alkaline metal.

6. A mobile computer comprising:  
a casing;  
operation keys mounted on the casing; and  
a display portion mounted on the casing, the display portion  
having a luminescent device comprising:  
a thin film transistor provided over an insulating surface of a  
substrate;  
a luminescent element electrically connected with said thin film  
transistor, said luminescent element comprising an organic compound layer, an  
anode, and a cathode, said cathode containing an alkaline metal;  
at least one transparent insulating layer provided between said  
thin film transistor and said cathode, said insulating layer capable of adsorbing  
said alkaline metal.

7. A cellular phone comprising:  
a casing;  
an audio input portion mounted on the casing;  
an audio output portion mounted on the casing;  
operation keys mounted on the casing; and  
a display portion mounted on the casing, the display portion  
having a luminescent device comprising:  
a thin film transistor provided over an insulating surface of a  
substrate;  
a luminescent element electrically connected with said thin film  
transistor, said luminescent element comprising an organic compound layer, an  
anode and a cathode, said cathode containing an alkaline metal;  
at least one insulating layer provided between said thin film  
transistor and said luminescent element, said insulating layer capable of  
adsorbing said alkaline metal.

8. A cellular phone comprising:  
a casing;  
an audio input portion mounted on the casing;  
an audio output portion mounted on the casing;  
operation keys mounted on the casing; and  
a display portion mounted on the casing, the display portion

having a luminescent device comprising:

- a thin film transistor provided over an insulating surface of a substrate;

- a luminescent element electrically connected with said thin film transistor, said luminescent element comprising an organic compound layer, an anode and a cathode, said cathode containing an alkaline metal;

- at least one insulating layer provided between said thin film transistor and said cathode, said insulating layer capable of adsorbing said alkaline metal.

9. A cellular phone comprising:

- a casing;

- an audio input portion mounted on the casing;

- an audio output portion mounted on the casing;

- operation keys mounted on the casing; and

- a display portion mounted on the casing, the display portion

having a luminescent device comprising:

- a thin film transistor provided over an insulating surface of a substrate;

- a luminescent element electrically connected with said thin film transistor, said luminescent element comprising an organic compound layer, an anode, and a cathode, said cathode containing an alkaline metal;

- at least one transparent insulating layer provided between said thin film transistor and said cathode, said insulating layer capable of adsorbing said alkaline metal.

10. The apparatus according to any one of claims 1 to 9, wherein said at least one insulating layer comprises a silicon nitride film containing fluorine at a concentration of  $1 \times 10^{19}/\text{cm}^3$  or more.

11. The apparatus according to any one of claims 1 to 9, wherein said at least one insulating layer comprises an organic resin film containing a particle comprising an antimony (Sb) compound, a tin (Sn) compound, or indium (In) compound.

12. The apparatus according to any one of claims 1 to 9, said at least

one insulating layer comprises a laminated layer of a silicon nitride film containing fluorine at a concentration of  $1 \times 10^{19}/\text{cm}^3$  or more and an organic resin film containing a particle comprising an antimony (Sb) compound, a tin (Sn) compound, or indium (In) compound.

13. The apparatus according to any one of claims 1 to 9, said insulating layer comprises a silicon oxynitride film or a silicon oxide film containing fluorine at a concentration of  $1 \times 10^{19}/\text{cm}^3$  or more.